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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/331,501 09/27/99 MATHIASSEN

0 196-1187

EXAMINER

MM91/0411

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LAM, T
ART UNIT PAPER NUMBER

2834
DATE MAILED:

04/11/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.
09/331,501

Applicant(s)

Mathiassen

Examiner

Thanh Lam

Group Art Unit

2834



☐ Responsive to communication(s) filed on _____.

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 21-40 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 21-23, 26-29, 31-33, and 35-38 is/are rejected.

☒ Claim(s) 24, 25, 30, 34, 39, and 40 is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☒ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☒ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

2. Claims 21-22,26 and 39-40 are objected to because of the following informalities: an article is missing from preceding elements "motor current" and "iron" in line 3 & 4 of claim 21, "part" in claim 22 & 26, "intermediary circuit coil" in claims 39 & 40. Appropriate correction is required.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 21,23,26, and 35-36 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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5. Claim 21 recited the limitation "loaded by motor current" that is not clear where the current being supplied to the coil or from the other motor source. Correction is required.
6. Claim 23 recites the limitation "the stator winding" in line 2. There is insufficient antecedent basis for this limitation in the claim.
7. Regarding Claims 35-37, it is not clear that the core is parallel or offset to what object outside of the stator and what is "EI- core". The claims are not clear for examining; therefore, no arts are applied at this action. Clarify and explantation is required.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

9. Claims 21-23, 26-29, and 31-38 are rejected under 35 U.S.C. 102(e) as being anticipated by Steiner.

Steiner discloses an electric motor comprising a rectangular cross section stator having a bore (9) in which a rotor is located, and having a control arrangement having at least one coil (33)

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with a core (25), the coil being loaded by motor current, the core of the coil being located on the stator, and an iron of the stator being used for a magnetic circuit.

Regarding claim 23, a flux restriction (formed in between the coils 33 in fig. 3) separate the flux of the coil and the flux of stator winding.

Regarding claims 26, the core only extends over part (one laminated sheet) of the axial length of the stator.

Regarding claim 27, the core is located in a corner of the cross section.

Regarding claims 28-29, the stator and the core are formed with laminated sheet plates

Regarding claim 31, the coil is fitted on a coil carrier (31) shaped to be pushed onto the core.

Regarding claims 32-33, the radially oriented core is located in a volume in the stator is closed by a cover(45).

Regarding claim 38, including several coils, each coil having its own core (33, fig. 3).

Allowable Subject Matter

10. Claims 24-25,30,34 and 39-40 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


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Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Lam whose telephone number is (703) 308-7626. The fax phone number for this Group is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0656.


NESTOR RAMIREZ
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800


Thanh Lam

April 3, 2001